

Skill Sheet 5-I-10

Objective 30: Change an SCBA cylinder — Two-person method. (*NFPA® 1001, 5.3.1*)

Student Name: _____ **Date:** _____

Directions

For this skills evaluation checklist, students will practice changing an SCBA cylinder. Changing cylinders can be either a one-person or a two-person job. This skill sheet describes the two-person method for changing an air cylinder. Remind students to always follow the recommendations for the specific cylinders your department uses. On some SCBA, the audible alarm does not sound when the cylinder valve is opened. They must know the operation of their own particular unit.

Remind students that they should always maintain a cylinder with 90-100% capacity, their lives may depend upon it. Don't cut corners! Remind students to follow a consistent routine for all aspects of PPE.

Equipment & Materials

- Full protective clothing and SCBA
- Salvage cover
- Replacement cylinder

Criteria & Evaluation Comments

Criteria (determined by the AHJ)

After the candidate has completed the skill sheet, write comments below.

Evaluator/Candidate Comments

Pass

☐

Fail

☐

Evaluator Signature

Date

Student Signature

Date

Skills Evaluation Checklist

Objective 30: Change an SCBA cylinder — Two-person method.

Task Steps		Yes	No
1.	Disconnect the regulator from the facepiece or disconnect the low-pressure hose from the regulator.		
2.	Position the cylinder for easy access by kneeling down or bending over.		
3.	Fully close the cylinder valve.		
4.	Release the air pressure from the high- and low-pressure hoses.		
5.	Disconnect the high-pressure coupling from the cylinder.		
6.	Remove the empty cylinder from harness assembly. a. Release clamp. b. Mark spent cylinder. c. Place on ground or salvage cover, if available.		
7.	Inspect replacement cylinder and ensure that cylinder is 90-100% of rated capacity.		
8.	Place the new cylinder into the harness assembly. a. Position cylinder outlet. b. Lock cylinder in place.		
9.	Check the cylinder valve opening and the high-pressure hose fitting for debris, clearing any debris by quickly opening and closing cylinder valve.		
10.	Connect the high-pressure hose to the cylinder and hand-tighten.		
11.	Slowly open the cylinder valve fully and listen for an audible alarm and leaks as the system pressurizes.		
12.	Don regulator and take normal breaths.		
13.	Check pressure reading on remote gauge and/or indicators and report reading. a. Reading should be within manufacturer's guidelines of the pressure indicated on cylinder gauge. If not, remove SCBA unit from service and report to officer.		